

PHYS 202 Fall 2009 Course Syllabus

Course Description: This course is a continuation of PHYS 201. Electricity, magnetism, light, and modern physics. Prerequisites: PHYS 201 or permission of Department Head. Additional credit cannot be earned by taking PHSC 101. This course has been identified by the GEAC/QEP as fulfilling core requirements.

Textbooks: Physics, 7th edition, by Cutnell and Johnson (required)

Other Required Materials: Students will require a scientific calculator. Students will require four testing booklets for exams.

Course Objectives: The student will develop a basic understanding of the principles of electricity, magnetism, optics, and modern physics.

Student Learning Objectives: Students completing this course will be able to:

1. Understand and apply basic concepts of static electricity.
2. Understand and apply Ohm's Law to basic circuits.
3. Understand and apply principles of magnetism and electromagnetic induction.
4. Understand and apply concepts of geometrical optics.
5. Additional topics as outlined in the section addendum.

Methods of Instruction: Lectures, Readings, and Laboratory. Other methods as outlined in the section addendum.

Assessment: Student learning will be assessed through embedded questions in examinations.

Course Requirements and Evaluation: The course grade will be evaluated as follows:

Homework	15 %
Laboratory	25 %
Exams (3 @ 15% each)	45 %
Final Exam	<u>15 %</u>
Total	100 %

Homework will be assigned on LON-CAPA. Instructions for accessing LON-CAPA are posted on Blackboard. Students are responsible for completing homework assignments in a timely manner and informing the instructor of problems accessing the homework. Failure to complete an assignment because a student could not access the homework an hour before it is due is not an excuse. *Students are strongly encouraged to complete the homework well in advance of the due date.*

All exams are comprehensive. The final exam is mandatory for all students. *Students must make a 55 % or higher on the final exam to pass the course regardless of other grades made in the class.* The grading Scale for this class is as follows:

≥ 90.00	A
75.00 – 89.99	B
65.00 – 74.99	C
55.00 – 64.99	D
< 55.00	F

Approximate test dates are as follows:

Exam 1:	September 18, 2009
Exam 2:	October 16, 2009

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Exam 3: November 13, 2009

Final Exam: Section A: Tuesday December 7, 2009 10:15 AM – 12:15 PM

 Section B: Thursday December 3, 2009 12:30 AM – 2:30 PM

Academic Integrity:

It is expected that all students will uphold the highest standards of academic integrity. Plagiarism, cheating, and academic fraud will be dealt with according to MSU policies and may result in failure of the either the assignment or the course. Students are encouraged to read the MSU policies regarding academic integrity in the McNeese State University Catalog.

Attendance Policy: Regular class attendance is essential to success in this course. It is expected that you have made a commitment to attend a one hour lecture three times a week in addition to the lab. Attendance will be taken at the beginning of class. For students missing more than 10 % of the class meetings with unexcused absences or 40% of classes with excused and unexcused classes combined, the instructor **will** assign the student a WN.

It is the student's responsibility to inform the instructor of any excuse at the next attended class meeting. The instructor's acknowledgment that he has been told of the reason for the absence does not mean the absence is excused. Weddings, vacations, the birth of a sibling's child, and work are not valid excuses for missing class.

Classroom Behavior: It is expected that all students will act in a manner to promote the best learning environment for all students. As such, offensive or demeaning comments (including racial, religious, ethnic, or sexist slurs) and disruptive behavior will not be permitted. Offending students will be asked to leave the class until such time as they can conform to this behavior policy.

Cell phones and beepers **must** be turned off before the beginning of class.

Diversity and Sexual Harassment Policy: Students should visit the MSU webpage at www.mcneese.edu/policy/diversity/htm for information about diversity and sexual harassment policies and procedures.

Students with Disabilities: It is each student's responsibility to register with the Office of Services for Students with Disabilities when requesting an accommodation. Any student with a disability is encouraged to contact the Office of Services for Students with Disabilities, Drew Hall, Room 200, (337) 475-5916 Voice, (337) 475-5878 FAX, (337) 562-4227 TDD/TTY, Hearing Impaired. 475-5722.

A student with a disability is responsible for locating the designated emergency exits, the areas of refuge in a classroom building, and is encouraged to develop and discuss the evacuation plan with the faculty member.

Fire Drill Policy: McNeese State University will periodically conduct fire drills. In the event of a fire drill or a related building emergency, all persons in a classroom are required to exit the building using posted escape routes or the Area of Refuge for individuals with disabilities.